

# **New England Agricultural Statistics**



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## **Crop Weather**

(Issued weekly on the internet, May - October)

July 5, 2005 - 4 pm For week ending 7/3/05

# Holiday Weekend Ideal for Strawberry Picking

GENERAL CONDITIONS: For the week ending July 3, 2005, there were 6.0 days suitable for fieldwork. Topsoil moisture was rated 5% very short, 14% short, 72% adequate, and 9% surplus. Subsoil moisture was rated 4% very short, 11% short, 75% adequate, and 10% surplus. Pasture condition was rated 3% very poor, 2% poor, 15% fair, 56% good, and 24% excellent. Warm and humid conditions prevailed throughout the work week. Scattered showers and strong thunderstorms at mid-week were welcome in drier areas of the region, but heavy winds and hail added a challenge for growers in western New England. A small tornado touched down in western Massachusetts on June 29. Some field corn was blown over by the storm, but had recovered by the next day. Damage to fruit crops from the hail was also noted. Cool, dry conditions for the long holiday weekend were welcome, especially for pick-your-own strawberry operations and weekend farmer's markets. Major farm activities included harvesting strawberries, early vegetables, and summer squashes, baling hay and making haylage, weeding, mowing orchards, hilling potatoes, topdressing, cultivating, and sidedressing fields with fertilizer, spraying protective fungicides, monitoring pests and applying pesticides.

FRUIT: Strawberry picking was in full swing last week; warm weather hastened the ripening of berries. Intermittent showers and thunderstorms slowed the strawberry harvest in parts of New England, but cool, dry weather over the weekend brought many people to pick-your-own operations. Conditions were also well-timed for pollination of cranberry blossoms, as beds were near full bloom last week. Wild blueberry growers in Maine report development was about a week behind schedule due to poor spring conditions. Growers found signs of monilinia and botrytis in the fields, and set traps to monitor for blueberry fruit fly. Raspberries were starting to ripen, and highbush blueberries were reported as not far behind. Apples were reported sizing up well with good moisture availability. Scab was reported in some orchards, but appeared under control. Fruit growers spent the week monitoring crop development and pests. Pesticides were applied as needed.

## FRUIT CROP DEVELOPMENT ACROSS NEW ENGLAND

	- Perce	ent Harv	ested -	Fruit		
Crop	2005	2004 5-yr Avg		Size	Condition	
Apples	-	-	-	Avg	Good/Fair	
Peaches	-	-	-	Avg	Good/Fair	
Pears	_	-	-	Avg	Good/Fair	
Blueberries						
Highbush	_	-	-	Avg/Above	Good/Excel	
Wild, ME	_	-	-	Avg	Fair	
Cranberries, MA	_	-	-		Good	
Strawberries	65	65	60	Avg	Good/Fair	

**VEGETABLES:** Warm weather helped sweet corn and other vegetables develop well this week, despite the slow start across the region. Harvest of early season vegetables continued, as farm stands were open with lettuce, greens, radishes, peas, beans, yellow squash, and cucumbers. At the same time, vegetable growers continued with successive planting of different crops. Nurseries started marking down their annual and perennial stock. Growers spent the week top dressing emerged corn, controling weeds in pumpkin fields, and spraying for cucumber beetles and other pests. Sweet corn planting was nearly complete by week's end.

#### SOIL MOISTURE ACROSS NEW ENGLAND

Soil Rating	This Week	Last Week	Last Year			
	Percent					
Topsoil						
Very Short	5	3	4			
Short	14	8	14			
Adequate	72	65	78			
Surplus	9	24	4			
Subsoil						
Very Short	4	3	4			
Short	11	6	14			
Adequate	75	66	78			
Surplus	10	25	4			

FIELD CROPS: Prolonged wet spring weather in Maine was followed by extended dry hot weather, causing some distress on small grains and potatoes in that state. Some barley fields reported infestations of Cereal Grain Leaf Beetle. European Corn Borer and Colorado Potato Beetle were spotted on Maine potato fields this week. Potato growers spent the week cultivating fields, applying fungicides, and spraying for pests. The first cut of hay was nearly finished this week, and the second cut of hay was started between rain showers. Farmers continued to take advantage of the sunny weather for haymaking, but humid conditions early in the week made haymaking difficult. Some new seedings of alfalfa were starting to be harvested this week. Field corn height varied from a few inches to shoulder high across the region. Warm weather helped corn growth, but farmers are hoping for rain over the next few weeks to help the crop reach its full potential. Growers sidedressed fertilizer to field corn as needed. Pre-emergent herbicides were applied between rain showers.

### FIELD CROP DEVELOPMENT ACROSS NEW ENGLAND

Crop	2005	2004	5-yr Avg	Condition						
Percent Emerged										
Barley, ME	100	100	100	Good/Excellent						
Oats, ME	100	100	100	Good/Excellent						
Potatoes										
Maine	100	100	100	Good/Excellent						
Mass.	100	100	100	Good						
Rhode Isl.	100	100	100	Good/Fair						
Silage Corn	90	95	90	Good/Excellent						
Sweet Corn	85	95	90	Good/Excellent						
	Percent Planted									
Silage Corn	99	99	95	Good/Excellent						
Sweet Corn	95	99	95	Good/Excellent						
Tobacco										
Broadleaf	100	99	95	Good						
Shade	100	100	100	Good						
Percent Harvested										
Dry hay, 1 <sup>st</sup> cut	80	80	75	Good/Fair						
Dry hay, 2 <sup>nd</sup> cut	10	5	10	Good/Excellent						

Weather Summary For New England Agricultural Statistics Prepared By AWIS, Inc.

For the Period: Monday July 27, 2005 To: Sunday July 3, 2005

	1	AI FMPF	R RATU	RF		NCE MAR 1 DEGREE DAYS	1 - WE	EK PRE			CUM PR	
STATION	LO	HI	AVG	DFN	BASE-50F TOT DFN	BASE-60F TOT DFN	TOTAL INCHES		DAYS	TOTAL INCHES		DAYS
MAINE Augusta_State_A Bangor_Intl_Arp Bethel Caribou_Municip Dover-Foxcroft Frenchville Houlton Livermore_Falls Moosehead Portland_ME	54 49 49 47 47 47 45 46 45 52	92 92 91 90 89 91 88 92 88	71 71 71 70 70 70 69 71 68 69	+4 +5 +5 +7 +6 +7 +6 +8 +6 +4	614 -37 632 +60 579 -9 531 +70 481 +5 518 +101 526 +53 588 +107 432 +59 583 +31	7 258 +89 0 249 +120 0 230 +95 0 213 +134 5 192 +108 210 +149 205 +120 7 254 +168 9 168 +120	0.32 0.11 0.28 0.00 1.57 0.15 0.26 0.07 0.17 1.62	-0.43 -0.66 -0.59 -0.78 +0.73 -0.62 -0.51 -0.81 -0.79 +0.85	4 2 3 0 2 1 2 2 2 4	3.12 1.92 5.17 2.22 3.16 3.56 2.70 5.98 2.48 5.31	+0.06 -1.16 +1.51 -0.55 -0.29 +0.61 -0.38 +2.19 -1.22 +2.10	18 7 12 8 9 12 13 14 14
NEW HAMPSHIRE Benton Berlin AG Concord Diamond Pond Keene AP North_Conway Rochester	46 49 48 47 50 51	88 89 95 88 91 91	71 72 73 69 74 73 71	+7 +8 +6 +8 +6 +7 +4	597 +26 620 +59 772 +90 452 +122 771 -34 647 +18 653 -88	262 +142 336 +148 2 180 +153 4 328 +69 3 271 +111	0.20 0.58 1.31 1.29 2.73 0.83 2.04	-0.64 -0.32 +0.60 +0.24 +1.89 -0.07 +1.25	3 2 3 3 4 4	4.95 2.86 5.06 5.44 6.69 5.06 4.62	+1.43 -0.95 +2.10 +1.13 +3.33 +1.36 +1.36	13 12 14 14 14 17
VERMONT Burlington_Intl Island_Pond Montpelier Pownal Rochester Rutland_AG Sutton Townshend_Lake	51 46 47 49 47 48 47 50	93 88 89 89 90 92 87 93	73 72	+9 +10 +8 +7 +10 +6 +9 +6	886 +128 601 +163 720 +150 737 +147 687 +147 746 -64 591 +153 737 +8	3 255 +181 306 +177 293 +158 292 +174 324 +62 3 250 +173	0.09 1.23 0.28 2.45 0.45 0.26 0.70 2.93	-0.74 +0.25 -0.45 +1.46 -0.39 -0.58 -0.28 +2.23	1 3 4 3 2 3 4 4	3.78 6.28 3.87 5.21 6.08 5.85 6.31 6.73	+0.50 +2.30 +0.69 +1.00 +2.62 +2.49 +2.33 +3.84	10 13 16 14 13 15 14
MASSACHUSETTS Ashburnham Boston/Logan_In Greenfield New_Bedford Otis_AFB Plymouth Walpole Chicopee/Westov Worthington	51 61 53 61 58 53 54 48	92 92 93 88 90 90 95 93	74 74 74 72 75 74 75 76 72	+8 +3 +5 +2 +8 +6 +6 +5	749 +145 812 -81 824 -47 710 -167 873 +222 708 +12 826 +75 980 -41 694 +97	352 +48 356 +60 260 -26 370 +201 300 +101 350 +126 431 +48	1.49 0.20 3.21 0.81 0.80 0.05 0.37 1.28 3.54	+0.65 -0.49 +2.34 +0.07 +0.10 -0.72 -0.47 +0.37 +2.63	5 1 3 4 4 3 2 4 4	5.61 1.48 5.13 1.97 1.12 0.76 1.17 2.81 5.27	+2.25 -1.39 +1.58 -1.31 -1.85 -2.42 -2.31 -0.95 +1.66	15 6 13 9 8 7 7 15
RHODE_ISLAND Providence Woonsocket	59 52	94 95	75 74	+5 +6	886 +56 840 +101		0.11 0.46	-0.63 -0.45	4 4	0.72 1.26	-2.33 -2.50	8 11
CONNECTICUT Bridgeport/Siko Hartford/Bradle Norfolk Thomaston_Dam Willimantic	61 54 51 54 51	87 95 89 92 92	74 76 71 74 74	+3 +5 +6 +7 +6	959 +55 1036 +61 729 +135 870 +119 882 +121	464 +101 5 286 +150 9 364 +147	1.81 1.30 1.52 1.65 0.69	+0.97 +0.51 +0.51 +0.74 -0.22	3 4 5 5 2	2.38 2.66 2.63 3.87 0.85	-0.84 -0.77 -1.64 +0.10 -2.66	7 12 12 15 8

Summary based on NWS data.

DFN = Departure from Normal (Using 1961-90 Normals Period).

Precipitation (rain or melted snow/ice) in inches.

Precipitation Days = Days with precip of 0.01 inch or more. Air Temperatures in Degrees Fahrenheit.

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#### STATE WEATHER SUMMARY

For the Week Ending Sunday, July 3, 2005

	Ai	r Ten	npera	tures	Precipitation		
State	L	HI	AV	DF	LO HI		
ME	41	92	69	+5	0.00 2.53		
NH	38	99	72	+7	0.20 3.18		
VT	44	97	73	+8	0.09 2.96		
MA	47	96	73	+5	0.03 3.54		
RI	52	95	72	+4	0.11 1.03		
CT	48	97	74	+5	0.69 2.48		

Prepared by AWIS, Inc.

**REPORTERS COMMENTS, By County:** Reporters are from extension Service (Ext), Farm Service Agency (FSA), Natural Resources Conservation Service (NRCS), or other knowledgeable individuals.

CONNECTICUT - Howard Rood (FSA), Fairfield/Litchfield: Heavy thunderstorms across most of the county gave us some much needed moisture. Hay and field corn crops look good. Jude Boucher (Ext), Tolland: Over an inch of rain in much of Tolland County has brought much needed relief from the dry conditions that have persisted on some farms since mid-May. Frank Himmelstein (Ext), New London: Field Corn; last of the fields finally appear to be planted in the county. Within a few miles distance, corn height is anywhere between a few inches to over three feet in height. Post herbicide treatments being applied for burcucumber and other weeds escape. Rain is really needed in most of the county if this year's crop is going to reach its full potential. The next three weeks rainfall will be critical particularly for the earliest planted corn. Grass Hay; A great deal of square bales and round bales were put up this week. Most of it will be suitable for horses and non-lactating animals since the protein content will be low on this late cut grass. Second cut will not be as plentiful this year unless we get some more rainfall soon. Early cut hay fields did not make that much re-growth during this dry spell. Dawn Pindell (FSA), Windham: Sweet corn looks good, but won't be early, likely last few weeks of July. Good 1st cutting, rain helped gave 2nd cutting a needed boost. Vegetables ok, strawberries ripened quickly in heat then four days of rain held off harvest, picking continues for at least another week. Awesome four day 4th of July weekend, lots of haylage and hay went in and people had fun at family parties too. Karen Vozarik (FSA), New Haven: Hot Humid weather and heavy rains appeared this week. The rain was welcomed due to the severe dryness in the area. Rain accumulations varied in areas from one inch to four inches. Strawberries were hit by the extreme heat in the 90's then the pouring rain, made some growers have a very short season. Corn is starting to stress depending on the stage of maturity. Joyce Meader (Ext), Windham: Broadleaf weeds are knee high on the 4th of July, luckily the field corn is taller. Pre-plant herbicides washed away by rain after planting, resulting in lots of weeds. On the other hand, spraying with post-emergence herbicides is not easy when thunderstorms are threatened each day. Richard Meinert (Ext), CT Cooperative: Finishing up first cut hay, starting second cut on early cut haylage fields. Field corn is growing well with earlier fields over waist high.

MAINE - Marvin Hedstrom, Northern Aroostook: Potatoes and small grains: Growers cultivating potato fields. Applying fungicides. Checking fields for corn borer egg masses. The dry weather and heat have slowed crop growth. Small grains showing signs of distress. Found some barley fields infested with Cereal Grain Leaf Beetle. Insecticides being applied to combat them. Crops need rain. Pam Hickey (Ext), Central Aroostook: All crops are planted. Farmers are cultivating fields. Herbicides are being applied to barley and oats. Farmers with livestock are haying. Some fungicides are being applied to potatoes. Steve London, Southern Aroostook: Potatoes and small grains: Starting to see European corn borer and Colorado potato beetle on potatoes. Farmers will be spraying this week. Small grains look good with 100% merged. Should be spraying herbicides this week. It's starting to get dry now, on the verge of hurting a bit. We could use about an inch of rain this week, which is funny to say after having a month and a half of rain this spring. Albert Dow (NRCS), Piscataquis: Farmers are getting hay in with little interference with weather. Some have finished having. Farmers are finding hay tonnage less than usual even though growth appeared plentiful. Some are seeding down new fields as the late spring pushed their timing back. Gleason Gray (Ext), Penobscot: Haying underway, PYO strawberry farms opened this week. Kathy Hopkins (Ext), Somerset: A good week. Donald Burke (FSA), Waldo: Haying continues with several good days of perfect weather. Fertilizer spreading on blueberry fields underway. Trudy Soucy (FSA), Knox/Lincoln: A lot of haying was done with several days in a row of good weather. Row crops doing good with sunny skies. Time to enjoy locally grown vegetables! A perfect summer weekend for farming and all outdoor activities. Blueberries appear to be behind due to wet, late spring. Dr. David Yarborough (Ext), Washington: Wild blueberries: Fruit set was variable and more disease symptoms from both monilinia and botrytis can be seen in the fields. Traps are being put out to monitor for the blueberry fruit fly. Plant development is delayed at least one week. Gary Raymond (FSA), Franklin: Great weekend for having. Great for growing crops. Great for eating strawberries!!! Period of showers

coming, hope they do not linger. Some scab problems reported on apples. Laura Rand (FSA), Oxford: Great weather this week, much needed warmth and sunshine. Crops have emerged and are being sprayed and cultivated. Sweet corn is beginning to look good and farmers are able to get in hay.

MASSACHUSETTS - Arthur Williams (FSA), Berkshire: We had a typical July weather week although it was June! Weather was hot and humid resulting in some serious thunderstorms that rattled through the area including a category F0 tornado in south county on the 29th. A small amount of corn was blown over but popped back up by the next day. Rainfalls were variable from less than an inch to more than 3". Flash flood warnings were posted. The storms cleared the air and the week ended with bright clear sunshine filled days for the long weekend. It was perfect for the tourists shopping our weekend farmer's markets. Nurseries have started marking down their annual and perennial stock. Pick your own strawberry operations are wrapping up their season. Pesticide applications to corn were going on late in the week and plenty of hay was made around the county. Frank Caruso (Ext), Plymouth: Cranberries: All beds have full or near full bloom. Bees have had excellent weather to pollinate the blossoms. Growers are applying their second fungicide spray for fruit rot control. Insecticides being applied for various pests. Vines look excellent, but we could certainly use some rain. John Devine (FSA), Franklin: Wild weather on Wednesday caused scattered crop damage and field flooding in parts of Franklin County. Producers reported 2.5 inches of rain within an hour in southern sections of the county. They also reported that much of the water was soaked in within 24 hours! Following the stormy weather most vegetable and tobacco farmers were busy top-dressing and cultivating. At this point, all crops look very good. Cool and dry Canadian air allowed forage producers to make some beautiful 1st and 2nd cut hay. Ted Smiarowski, Jr. (FSA), Hampshire/Hampden: The past week was hot, humid and rainy. All crops are growing well. Strawberry harvest is coming to an end and sweet corn harvest is just starting. Topdressing and cultivating all summer crops continues. Gary Guida, Worcester: Glorious weather brought strawberry pickers out this week, but unfortunately end of the season as hot weather earlier hastened ripening of fruit. Last good weekend for strawberries around here. Corn sales took off with 4th of July weekend. Growers finished last planting of sweet corn, top dressing of emerged corn, controlling weeds in pumpkin fields, and spraying for cuke beetle. Sweet corn here easily knee high, mostly waist high. Plant sales still strong.

NEW HAMPSHIRE - Amy Ouellette (Ext), Belknap: Strawberry picking at peak. Tremendous crop reported some places. Cooler, dryer weather over the holiday weekend was a savior for pick your own. Still an excess of berries. Corn planting for June a disaster with wet and mud. First ripe raspberries seen. Tina Savage (Ext), Carroll: Fine weather for hay making, first cutting nearly complete. Corn growing well, farm stands report a busy week-end. Fire blight spotted in Moultonborough. Strawberry picking has begun. Carl Majewski (Ext), Cheshire: Muggy weather for much of the week, but some great dry sunny weather over the weekend. Corn continues to grow well. Farms continuing with dry hay as weather permits, especially with good drying conditions. Many fields ready for second cutting of haylage/baylage. Veggie crops continue to do well. Strawberry picking just about done; blueberries starting to ripen. Tom Buob (Ext), Grafton: Scattered showers interrupted first and second cuttings of hay. Corn continues to grow quickly with warmer weather. Second cutting of grass and alfalfa is underway. Second cut has a higher yield than first in general. Early planted corn is waist high and growing fast. **George** Hamilton (Ext), Hillsborough: Fruit: Fruit growers monitoring pest and crop development and apply sprays for pest control, if needed. Also, growers are training young fruit trees along with mowing orchard floor. Strawberry harvest is nearly over (85%) harvest) and getting ready to renovate harvested beds. Hot weather during last week of June ripened strawberry crop quickly and Pick-Your-Own operations needed more customers to keep up to the ripening crop (some crop loss occurred). Sweet cherry harvest is under way. Field Crops: Farmers continued to bale hay or make haylage at a faster rate between showers. Growers are side-dressing fertilizer to field corn if needed. Vegetables: Growers are continued harvesting early season vegetables such as lettuce, greens, radishes, peas. Growers busy trying to side dress fields

with fertilizer, cultivating, mowing weeds, scouting for pests and spraying if needed. Sadie Puglisi (Ext), Merrimack: PYO strawberries have good crowds this season. Stands have greens, beans, yellow squash, and cucumbers. Some picking sweet corn, and blueberries. Nada Haddad (Ext), Rockingham: Weather remains challenging. Gusty winds, heavy downpour and hail (mainly in the western part of Rockingham County) on June 29. Picking strawberries, early vegetables and summer squashes. Weeding and cultivating. Spraying protective fungicides and monitoring pests. Haylage being made. Planting field corn. Pam Marvin (FSA), Sullivan: With dryer and less humid weather came a lot of dry hay harvesting. Hail-damaged blueberries are being watched for quality. Spotty thunderstorms have provided periodic rain. Silage corn crop looks very good, humid weather providing lots of growth. PYO strawberries are in full swing with reports of a good crop coming out. Most of the peach crop was hit by late frost at blossom time.

Geoffrey Njue (Ext), Strafford: Lots of sunny weather with scattered showers early in the week. Haying continued through the week but the unwanted showers made it a challenge to dry the hay. The hot weather helped to get the corn and vegetables growing well. Vegetable growers continued with successive planting of different crops, and at the same time harvesting early crops such as lettuce and mixed greens. Growers were also busy weeding, fertilizing and monitoring for pests and spraying if needed. Fruit growers were busy harvesting strawberries, and the pick your own operations were very busy with customers. Growers continue to monitor crop growth for pests and spraying if needed. They were also busy mowing the orchard floors. Bedding plants season is over for most greenhouse, nursery and garden centers. However the woody ornamentals and perennials sales are still going strong. Growers were also busy pinching and taking care of garden mums.

RHODE ISLAND - Karen Menezes (Ext), Newport: The weather was dreary and humid most of the week but brought some much needed rain throughout the state. Farmers are still finishing up first their first cutting hay. Sweet corn is beginning to tassel. Producers are gearing up and preparing their stands for summer vegetable sales.

VERMONT - John St. Onge/Kim Peterson (FSA), Lamoille: Most of the corn crop is looking terrific with some fields already shoulder high. Spring new seedings are starting to be harvested. Last week was another great week for haying. Many of the recent showers have been scattered and with the heat many crops could use some moisture. Dave Blodgett (NRCS), Orleans: Another dry hot week has allowed farmers to catch up on cropping. Almost all of 1st crop is complete. Reports are that yields were a little low but the quality is good. Many farms will be starting 2nd cut this week. The corn looks good and maybe a little ahead of schedule. The hot weather is good for the corn. Soil moisture is still adequate here and in some cases a little excessive. I am still seeing freshly harvested fields with mud ruts in them. Perley Sparrow (FSA), Windham: From heavy rains to the best weather anyone could ask for. Last week Windham County received 4 inches of rain in three days, then the best drying weather this year. Strawberries are just about finished. Raspberries are just starting and blueberries are 10 days out. Apple producers are reporting that the crop looks OK after such a hard spring. Corn is over six feet and looks great. Second cut is ready only needs good weather. Terence Bradshaw, Univ of Vermont: Apples: Fruit are sizing up well with good moisture availability and fruit set on the low side. Scab appears under control in most orchards. Apple maggot flies are emerging. Dennis Kauppila (Ext), Caledonia: Hot week. Some showers, some places got no rain so some places quite dry. Corn growing well, some was knee high. Observed armyworm in first year no till corn, but not high enough population for spraying. Some folks finishing up first cut of hay, some are starting on second cut. Many fields have wet spots with first cut still standing, where farmers were unable to get into those wetter spots the first time around Heather Darby (Ext), Franklin: Last week was dry but humid. It was difficult to make dry hay due to the humid conditions. Second cut has started on some fields while first cut is still being finished up on others. Corn is being sidedressed. Corn is anywhere between spike and 8th leaf stage. A number of fields hit knee high by the 4th. Sherwin Williams, Rutland: Applying nitrogen to all crops as needed. Cultivating vine crops. Hilling of potatoes. Spraying to control potato bugs, squash and cucumber beetles. Hand hoeing tomato and pepper plants. 0.224" short on water for the week. Last cutting of asparagus, great crop of strawberries, but about due to hot dry weather. Peas in the market with lots of other early vegetables. Demand good on all vegetables.

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